

What is Claimed is:

1 1. A method for making fluid coupling between first and second
2 fluid carrying components, the method comprising the steps of:
3 forming an open ended, annular recess in one end of the first
4 component;
5 fixing a bond material spin weld compatible with the materials
6 forming the outer surfaces of both of the first and second components on the surface
7 of the first component in the recess;
8 inserting the second component into the recess in the first component;
9 and
10 spin welding the first and second components causing the bonding
11 material to join the first component to the second component.

1 2. The method of claim 1 wherein the step of fixing the bonding
2 material in the recess in the first component comprises the step of:
3 double shot injection molding the bonding material and the first
4 component.

1 3. The method of claim wherein the step of fixing the bonding
2 material in the recess in the first component comprises the steps of:
3 inserting the bonding material in a loose state into the recess; and
4 raising the temperature of the bonding material to a molten state
5 during spin welding of the first and second components.

1 4. The method of claim wherein the step of fixing the bonding
2 material in the recess in the first component comprises the steps of:
3 inserting the bonding material into the recess;
4 fixing the bonding material onto surfaces of the recess prior to
5 insertion of the second component into the recess.

1 5. The method of claim 1 wherein the step of fixing the bonding
2 material in the recess further comprises the step of:
3 disposing the bonding material on at least one of a plurality of surfaces
4 in the recess in the first component.

1 6. The method of claim 1 wherein the step of fixing the bonding
2 material further comprises the steps of:
3 forming the recess with radially spaced, concentric first and second
4 surfaces; and
5 fixing the bonding material on at least one of the first and second
6 surfaces.

1 7. The method of claim 1 further comprising the step of:
2 selecting the bonding material from materials which are spin weld
3 compatible with metal and plastic.

1 8. A fluid coupling comprising:
2 a first component formed of a body having a through bore extending
3 from a first end;
4 a second component having a through bore extending from a first end;
5 an open ended recess extending axially from the first end of the first
6 component;
7 a spin weld inducing bonding material disposed in the recess on at
8 least one surface of the first component in the recess; and
9 the first end of the second component spin weld joined in the recess to
10 the first component by the bonding material.